

ABSTRACT OF THE DISCLOSURE

Carbon nanotube structures are provided, in which the networks with a desired area and volume, where the carbon nanotubes are electrically or magnetically connected, are formed and the method for easily manufacturing the carbon nanotube structures with less carbon nanotube structures. Carbon nanotube devices are also provided, to which the useful carbon nanotube structures mentioned above are applied. A method for manufacturing carbon nanotube structures includes the steps of applying carbon nanotubes to a low-viscosity dispersion medium to obtain a high-viscosity dispersing liquid which includes carbon nanotubes, and forming a network of the carbon nanotubes having electrical and/or magnetic connections therebetween by removing the low-viscosity dispersion medium from the high-viscosity dispersed liquid.